

Comparisons of Job Characteristics

Focus Occupation: [Cardiovascular Technologists and Technicians \(29-2031\)](#)

Associated Occupation: [Licensed Practical and Licensed Vocational Nurses \(29-2061\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation: Licensed Practical and Licensed Vocational Nurses (29-2061)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Psychology	6.4	19.0	10.5	<< Extensive education and/or training may be required
Customer and Personal Service	11.3	17.4	18.0	0 Current knowledge level may be sufficient
Medicine and Dentistry	3.7	16.4	17.4	0 Current knowledge level may be sufficient
Therapy and Counseling	3.8	13.0	4.0	<< Extensive education and/or training may be required
Biology	3.7	8.7	9.9	> Current knowledge level is likely sufficient
Philosophy and Theology	3.2	6.6	4.7	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation: Licensed Practical and Licensed Vocational Nurses (29-2061)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Social Perceptiveness	9.1	12.3	10.0	< A higher skill level may be required
Service Orientation	7.9	12.2	10.5	< A higher skill level may be required
Coordination	9.1	11.6	8.4	<< Extensive development of skills in this area may be required
Time Management	8.9	11.0	8.9	< A higher skill level may be required
Science	4.5	9.6	10.6	> Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 92			
Focus Occupation: Cardiovascular Technologists and Technicians (29-2031) Associated Occupation: Licensed Practical and Licensed Vocational Nurses (29-2061)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Problem Sensitivity	11.1	14.3	14.8	0	Current ability level may be sufficient
Static Strength	5.0	9.1	5.3	<<	Extensive improvement in abilities may be required
Stamina	4.0	7.4	5.1	<<	Extensive improvement in abilities may be required
Gross Body Coordination	3.9	7.3	5.6	<	Some improvement in abilities may be required
Gross Body Equilibrium	3.2	6.2	3.8	<<	Extensive improvement in abilities may be required
Explosive Strength	1.4	5.5	1.0	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 91
Focus Occupation: Cardiovascular Technologists and Technicians (29-2031) Associated Occupation: Licensed Practical and Licensed Vocational Nurses (29-2061)		
Work Activities	Exclusivity of Activity	
Administer injections	60	
Administer medications or treatments	46	
Analyze medical data	57	
Collect clinical data	56	
Communicate technical information	4	
Follow infectious materials procedures	52	
Follow patient care procedures	60	
Follow patient observation procedures	71	
Inventory medical supplies or instruments	67	
Observe patient condition	48	
Prepare patient reports	66	
Prepare patients for tests, therapy, or treatments	70	
Record medical history or data	68	
Take vital signs	56	
Understand technical operating, service or repair manuals	6	

Use clinical sterilizing technique	71
Use emergency medical procedures	64
Use hazardous materials information	35
Use interpersonal communication techniques	10
Use knowledge of medical terminology	40
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 71

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation: Licensed Practical and Licensed Vocational Nurses (29-2061)

Tools and Technologies	Exclusivity
Acute care monitoring units and related products	22
Blood pressure units and related products	11
Business function specific software	1
Clinical and diagnostic analyzers and accessories and supplies	18
Computers	1
Electrocardiography EKG units and related products	20
Emergency medical services resuscitation products	15
Industry specific software	1
Injection and aspiration needles and accessories	25
Intravenous and arterial cannulas and catheters and accessories	29
Intravenous and arterial tubing and administration sets and related products	22
Medical ultrasound and doppler and echo imaging products	19
Open heart perfusion equipment and monitors and accessories and related products	43
Oxygen therapy delivery systems and devices	13
Patient point of care testing supplies and equipment	23
Pulmonary function testing and treatment products	24
Pulse oximeters	18
Rehabilitation exercise devices and equipment	24
Specimen collection and transport containers and supplies	14
Stethoscopes and related products	14
Syringes and accessories	14

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.